

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) In a process for preparing door skins and other door components by the molding of sheet molding compound ~~containing~~ comprising an unsaturated polyester, curable molding resin in a heated mold under pressure, the improvement comprising:

selecting, as a cure catalyst composition,

a) a catalyst component containing t-amylperoxybenzoate in major part relative to the total weight of the catalyst component, said catalyst component present in an amount effective to cure said sheet molding compound in said heated mold, and

b) an amount of a polymerization inhibitor composition effective to substantially prevent cure of said sheet molding composition at room temperature.

2. (original) The process of claim 1, wherein said catalyst component is present in an amount of 0.5 to 5 parts per 100 parts of said molding resin, and said inhibitor composition is present in an amount of 0.01 part to about 1 part per 100 parts molding resin, calculated on the basis of a 5 weight percent concentration of inhibitor in said polymerization inhibitor composition.

3. (original) The process of claim 2 wherein said inhibitor is p-benzoquinone.

4. (original) The process of claim 1, wherein said catalyst component is present in an amount of 0.8 to 2.0 parts per 100 parts of said molding resin, and said inhibitor is present in an amount of 0.05 part to about 0.4 parts per 100 parts molding resin.

5. (original) The process of claim 1 wherein the cure time is less than 60 seconds.

6. (original) The process of claim 1 wherein the cure time is less than 50 seconds.

7. (original) The process of claim 1 wherein a vacuum is applied upon closure of the tool in which said sheet molding compound is molded.

8. (original) The process of claim 7 wherein said vacuum is between 15 and 29 inches mercury and is released from 5 to 30 seconds after its application.

9-10. (cancelled)

11. (original) A process for reducing surface defects on a stainable compression molded SMC doorskin without creating a non-uniformly stainable surface, said process comprising:

- a) selecting as an SMC, an unsaturated polyester-containing SMC which exhibit a cure time of one minute or less;
- b) upon closure of a door skin mold containing said SMC, applying a vacuum of from about 10 inches Hg to 29 inches Hg; and
- c) maintaining said vacuum for a period of from about 5 seconds to about 30 seconds.

12. (original) The process of claim 11 wherein said cure time is 50 seconds or less.

13. (original) The process of claim 11, wherein said vacuum is from about 15 to 29 inches Hg, and the pressure of the mold is from about 200 psig to about 1500 psig.

14. (original) The process of claim 11, wherein the vacuum is applied for from 10 to 23 seconds.

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15. (previously amended) A compression molded SMC door skin or molded part, comprised of the cured reaction product of an SMC composition containing a cure catalyst comprising t-amylperoxybenzoate in major part, said cure catalyst present in an amount effective to cure said SMC composition in less than one minute at 150°C.

C 16. (original) The doorskin or molded part of claim 15 wherein said SMC contains an inhibitor in an amount of 0.01 part to about 2.0 part per 100 parts of a curable unsaturated resin component in said SMC, and a catalyst component comprising in major part t-amylperoxybenzoate.

17. (cancelled)
